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US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Term:

112 and hmg1 and erg1

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10

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USPT,EPAB,DWPI	112 and hmg1 and erg1	2	<u>L14</u>
USPT,EPAB,DWPI	112 and hmg\$1 and erg\$1	8	<u>L13</u>
USPT,EPAB,DWPI	17 and (hmg\$1 or erg\$1 or sat\$1)	128	<u>L12</u>
USPT,EPAB,DWPI	19 and hmg1 and erg9	3	<u>L11</u>
USPT,EPAB,DWPI	19 and hmg\$1 and erg\$1	8	<u>L10</u>
USPT,EPAB,DWPI	17 and (hmg\$1 or erg\$1 or sat\$1)	128	<u>L9</u>
USPT,EPAB,DWPI	11 and (gene\$ or recombin\$ or mutant\$)	726	<u>L8</u>
USPT,EPAB,DWPI	11 and (gene\$ or recombin\$ or mutant\$)	776	<u>L7</u>
USPT,EPAB,DWPI	11 and (gene\$ or recombin\$ or mutant\$)	775	<u>L6</u>
USPT,EPAB,DWPI	11 and (gene\$ or recombin\$ or mutant\$)	768	<u>L5</u>
USPT,EPAB,DWPI	11 and (gene\$ or recombin\$ or mutant\$)	759	<u>L4</u>
USPT,EPAB,DWPI	11 and (gene\$ or recombin\$ or mutant\$)	751	<u>L3</u>
USPT,EPAB,DWPI	11 and (gene\$ or recombin\$ or mutant\$)	726	<u>L2</u>
USPT,EPAB,DWPI	ergosterol	1184	<u>L1</u>

09/509608
STN Search Summary

=> d his

FILE 'REGISTRY' ENTERED AT 17:20:26 ON 11 DEC 2001
L1 1 S ERGOSTEROL/CN

FILE 'CAPLUS' ENTERED AT 17:20:40 ON 11 DEC 2001
L2 2782 S L1
L3 443 S L2 AND (GENE? OR RECOMBIN? OR MUTANT?)
L4 372 S L3 AND PD<1999
L5 143 S L1 (P) BIOSYNTHETIC?
L6 21 S L4 AND L5

L6 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2001 ACS
AN 1997:594478 CAPLUS
TI Assessment of the essentiality of ERG genes late in ergosterol
biosynthesis in *Saccharomyces cerevisiae*
AU Palermo, Lizette M.; Leak, Frank W.; Tove, Shirley; Parks, L. W.
SO Curr. Genet. (1997), 32(2), 93-99

L6 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2001 ACS
AN 1997:312553 CAPLUS
TI Analysis of three ergosterol biosynthetic genes involved in the
terminal portion of the pathway in *Saccharomyces cerevisiae*
AU Arthington-Skaggs, Beth Ann
SO (1996) 262 pp. Avail.: Univ. Microfilms Int., Order No. DA9713604
From: Diss. Abstr. Int., B 1997, 57(11), 6742

L6 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2001 ACS
AN 1996:526135 CAPLUS
TI Positive and negative regulation of a sterol biosynthetic gene
(ERG3) in the post-squalene portion of the yeast ergosterol pathway
AU Arthington-Skaggs, B. A.; Crowell, D. N.; Yang, H.; Sturley, S. L.; Bard, M.
SO FEBS Lett. (1996), 392(2), 161-165

L6 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2001 ACS
AN 1996:338758 CAPLUS
TI FEN2: a gene implicated in the catabolite repression-mediated
regulation of ergosterol biosynthesis in yeast
AU Marcireau, Christophe; Joets, Johann; Pousset, Dominique; Guilloton,
Michel; Karst, Francis
SO Yeast (1996), 12(6), 531-539

L6 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2001 ACS
AN 1995:396768 CAPLUS
TI Construction of squalene-accumulating *Saccharomyces cerevisiae*
mutants by gene disruption through homologous
recombination
AU Kamimura, N.; Hidaka, M.; Masaki, H.; Uozumi, T.
SO Appl. Microbiol. Biotechnol. (1994), 42(2-3), 353-7

L6 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2001 ACS
AN 1995:378843 CAPLUS
TI Enzyme induction screen for ergosterol biosynthesis inhibitors.
IN Kirsch, Donald R.; Hsien-Fen Kuh Lai, Margaret
SO Eur. Pat. Appl., 15 pp.

09/509608
STN Search Summary

=> d his

FILE 'REGISTRY' ENTERED AT 11:39:50 ON 11 DEC 2001
L1 1 S ERGOSTEROL/CN

FILE 'CAPLUS' ENTERED AT 11:40:17 ON 11 DEC 2001
L2 2782 S L1
L3 56 S L2 AND REVIEW/DT
L4 53 S L3 AND PD<1998
L5 7 S L4 AND GENE?
L7 5 S L4 AND (RECOMBIN? OR MUTANT?)
L8 1 S L7 NOT L5
L9 36 S L4 AND (BIOSYNTH?)
L10 30 S L9 NOT L5

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2001 ACS
AN 1997:200234 CAPLUS
TI Use of sterol mutants as probes for sterol functions in the yeast,
Saccharomyces cerevisiae
AU Parks, Leo W.; Crowley, James H.; Leak, Frank W.; Smith, Steven J.; Tomeo,
Michele E.
SO Biochem. Funct. Sterols (1997), 257-262. Editor(s): Parish,
Edward J.; Nes, W. David. Publisher: CRC, Boca Raton, Fla.

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2001 ACS
AN 1997:200221 CAPLUS
TI Biochemistry and molecular biology of sterol synthesis in Saccharomyces
cerevisiae
AU Lees, Norman D.; Bard, Martin; Kirsch, Donald R.
SO Biochem. Funct. Sterols (1997), 85-99. Editor(s): Parish,
Edward J.; Nes, W. David. Publisher: CRC, Boca Raton, Fla.

ordered
L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2001 ACS
AN 1995:466991 CAPLUS
TI Biochemical and physiological effects of sterol alterations in yeast
AU Parks, Leo W.; Smith, Steven J.; Crowley, James H.
SO Lipids (1995), 30(3), 227-30

L10 ANSWER 10 OF 30 CAPLUS COPYRIGHT 2001 ACS
AN 1990:153759 CAPLUS
TI Biosynthesis of vitamins
AU Moszczynski, Piotr
SO Kosmos (Warsaw) (1989), 38(1), 127-54

in Polish

L10 ANSWER 19 OF 30 CAPLUS COPYRIGHT 2001 ACS
AN 1985:434571 CAPLUS
TI Biosynthesis of ergosterol in yeast
AU Katsuki, Hirohiko
SO Yukagaku (1985), 34(5), 341-8

in Japanese

L10 ANSWER 22 OF 30 CAPLUS COPYRIGHT 2001 ACS
AN 1984:188715 CAPLUS
TI The biosynthesis of ergosterol
AU Mercer, E. Ian
SO Pestic. Sci. (1984), 15(2), 133-55

09/509608
STN Search Summary

=> d his

FILE 'CAPLUS' ENTERED AT 16:51:44 ON 24 NOV 2001

L1 4985 S ((HYDROXYMETHYLGLUTARY? OR HMG) (3W) REDUCTAS?)
L2 56 S ((FARNESYL (2W) (?PHOSPHAT?)) OR FDP) (3W) ?TRANSFERAS?
L3 642 S SQUALENE (3W) (SYNTHAS? OR SYNTHETAS?)
L4 1581 S FARNESYLTRANSFERAS? OR (FARNESYL (2W) TRANSFERAS?)
L5 657 S ?SQUALENE? (3W) (SYNTHAS? OR SYNTHETAS?)
L6 2177 S L2 OR L3 OR L4 OR L5
L7 30 S STEROL (2W) ?ACYLTRANSFER?
L8 3835 S CHOLESTEROL (2W) ?TRANSFERAS?
L9 50 S STEROL? (2W) TRANSFERAS?
L10 3899 S L7 OR L8 OR L9
L11 319 S SQUALENE (2W) (MONOOXYGENAS? OR EPOXIDAS?)
L12 2 S L1 AND L6 AND L10 AND L11
L13 25 S L6 AND ERGOSTEROL
L14 1 S YEPH2
L15 1 S YDPUHK3
L16 534 S (ERGOSTEROL BIOSYNTHESIS)
L17 55 S L16 AND REVIEW/DT
L18 44 S L17 AND PD<1997
L19 1 S L18 AND ERG9
L20 1 S L18 AND ERG1

L18 ANSWER 6 OF 44 CAPLUS COPYRIGHT 2001 ACS

AN 1995:466990 CAPLUS

TI Cloning of the late genes in the ergosterol biosynthetic pathway of
Saccharomyces cerevisiae--a review

AU Lees, N. D.; Skaggs, B.; Kirsch, D. R.; Bard, M.

SO Lipids (1995), 30(3), 221-64201

L18 ANSWER 11 OF 44 CAPLUS COPYRIGHT 2001 ACS

AN 1993:530716 CAPLUS

TI Ergosterol synthesis: The major target in antimycotic therapy

AU Schuster, I.

SO Front. Biotransform. (1993), 8(Medicinal Implications in
Cytochrome P-450 Catalyzed Biotransformations), 147-85

L18 ANSWER 13 OF 44 CAPLUS COPYRIGHT 2001 ACS

AN 1992:587874 CAPLUS

TI Biochemical aspects of ergosterol biosynthesis
inhibition

AU Barrett-Bee, Keith; Ryder, Neil

SO Emerging Targets Antibact. Antifungal Chemother. (1992), 410-36.
Editor(s): Sutcliffe, Joyce A.; Georgopapadakou, Nafsika H. Publisher:
Chapman and Hall, New York, N. Y.

L18 ANSWER 16 OF 44 CAPLUS COPYRIGHT 2001 ACS

AN 1991:651710 CAPLUS

TI Cytochromes P-450 in the ergosterol biosynthesis

AU Yoshida, Y.; Aoyama, Y.

SO Front. Biotransform. (1991), 4(Microb. Plant Cytochromes P-450),
127-48

L18 ANSWER 37 OF 44 CAPLUS COPYRIGHT 2001 ACS
AN 1984:188715 CAPLUS
TI The biosynthesis of ergosterol
AU Mercer, E. Ian
SO Pestic. Sci. (1984), 15(2), 133-55

L18 ANSWER 44 OF 44 CAPLUS COPYRIGHT 2001 ACS
AN 1968:56518 CAPLUS
DN 68:56518
TI Sterol biosynthesis
AU Frantz, Ivan D., Jr.; Schroepfer, George J., Jr.
SO Annu. Rev. Biochem. (1967), 36(Pt. 2), 691-726